

FIG. 1



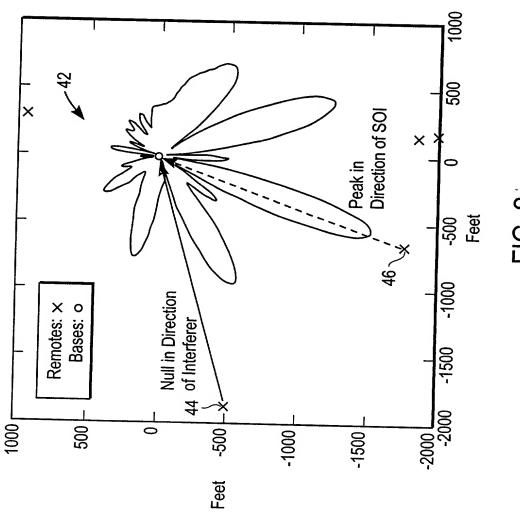


FIG.

50

FIG. 3

dgf<sup>T</sup>: (Nd + Np) x KBase gf∶K<sub>Base</sub> x 1  $d: (N_d + N_p) \times 1$  Spreading 7 52 Con -cat  $d_0: N_d \times 1$  $p_0: N_p \times 1$ 

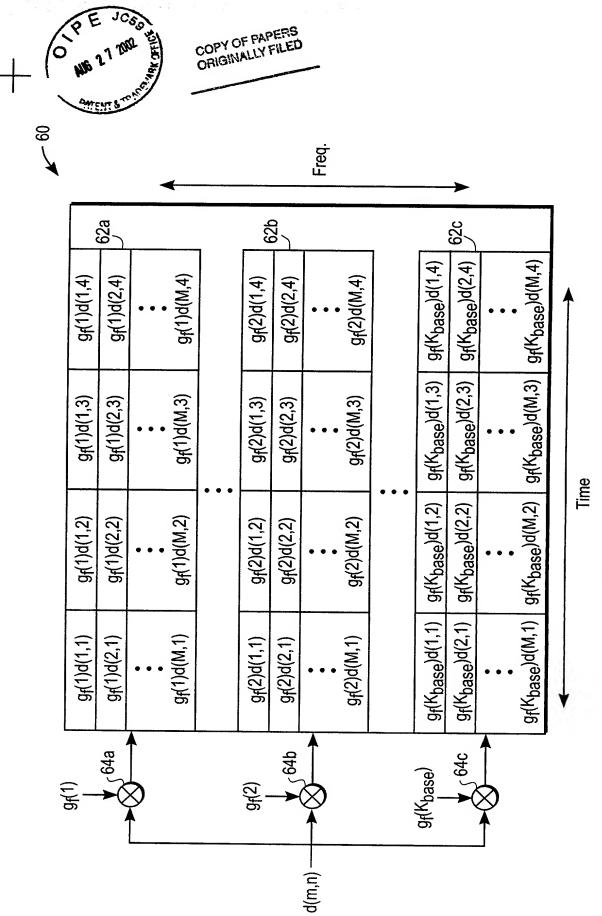


FIG. 4

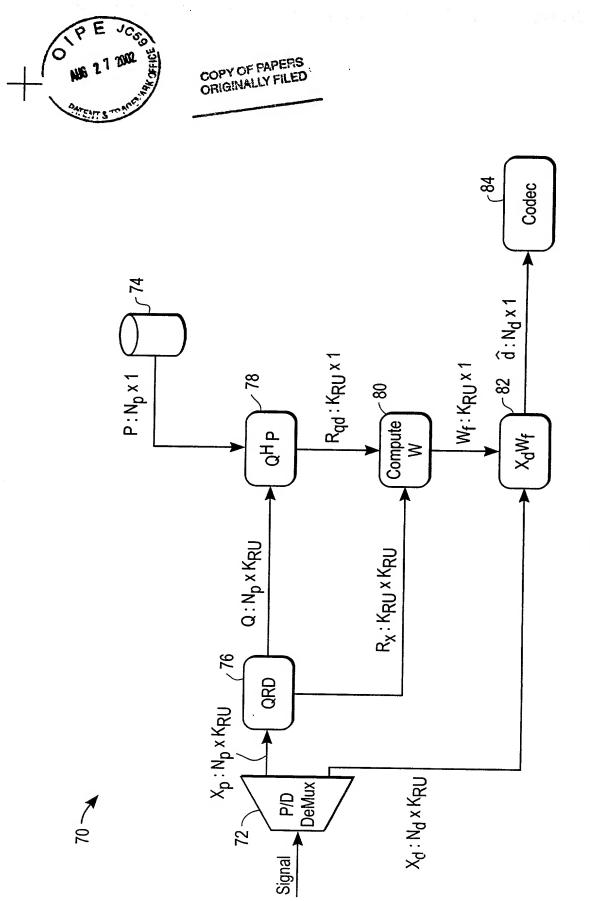
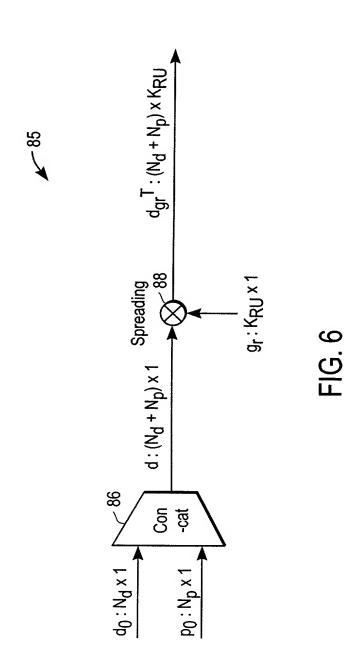


FIG. 5





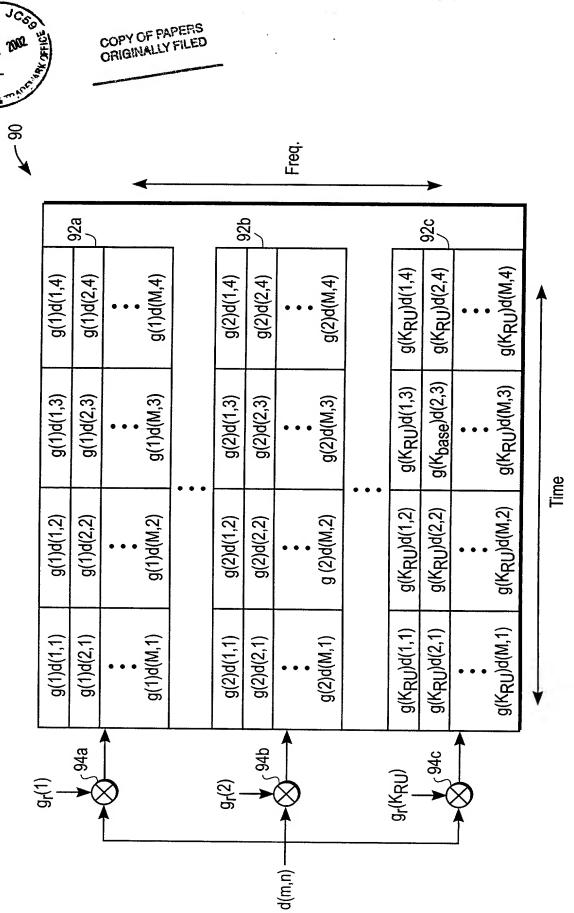
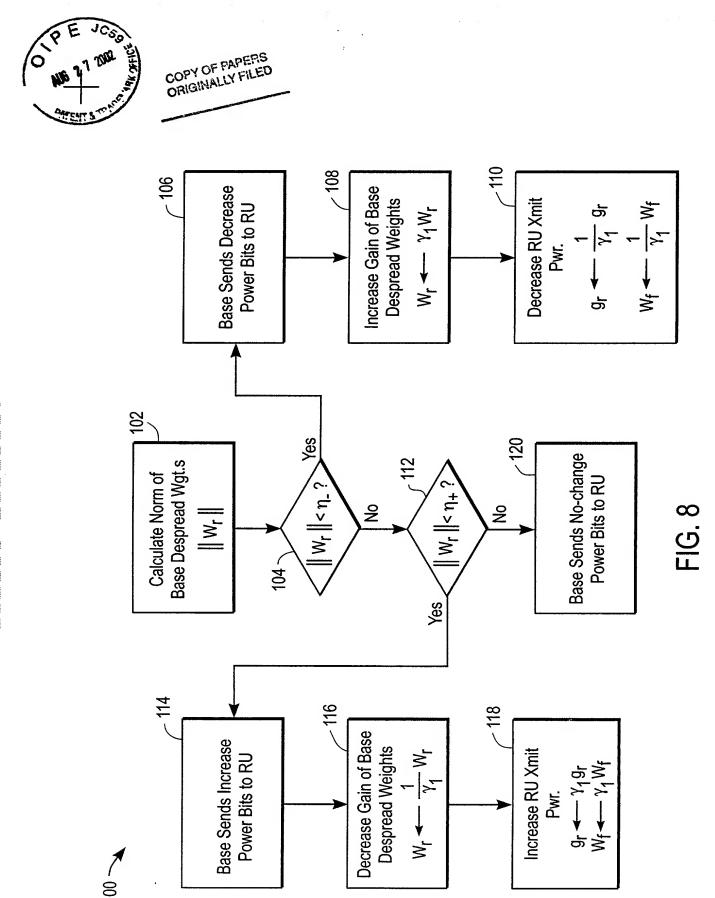


FIG. 7



\_

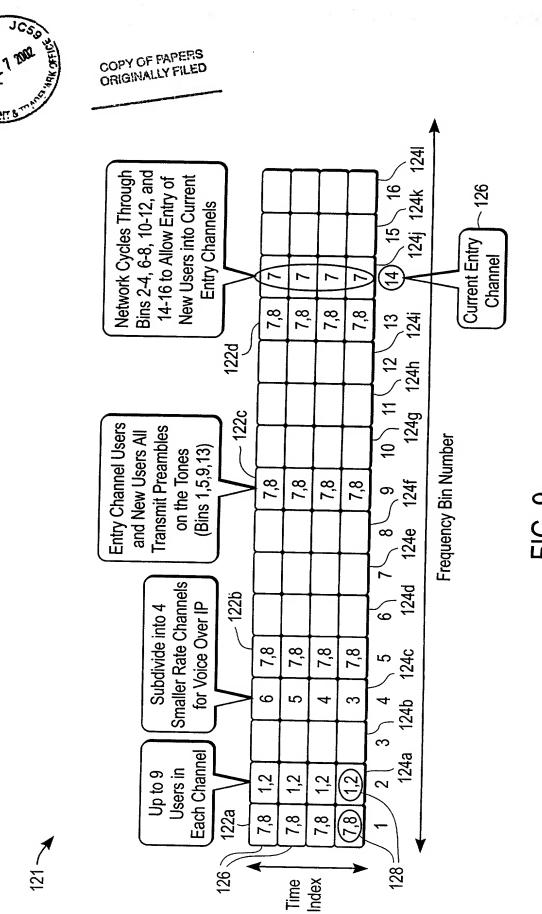
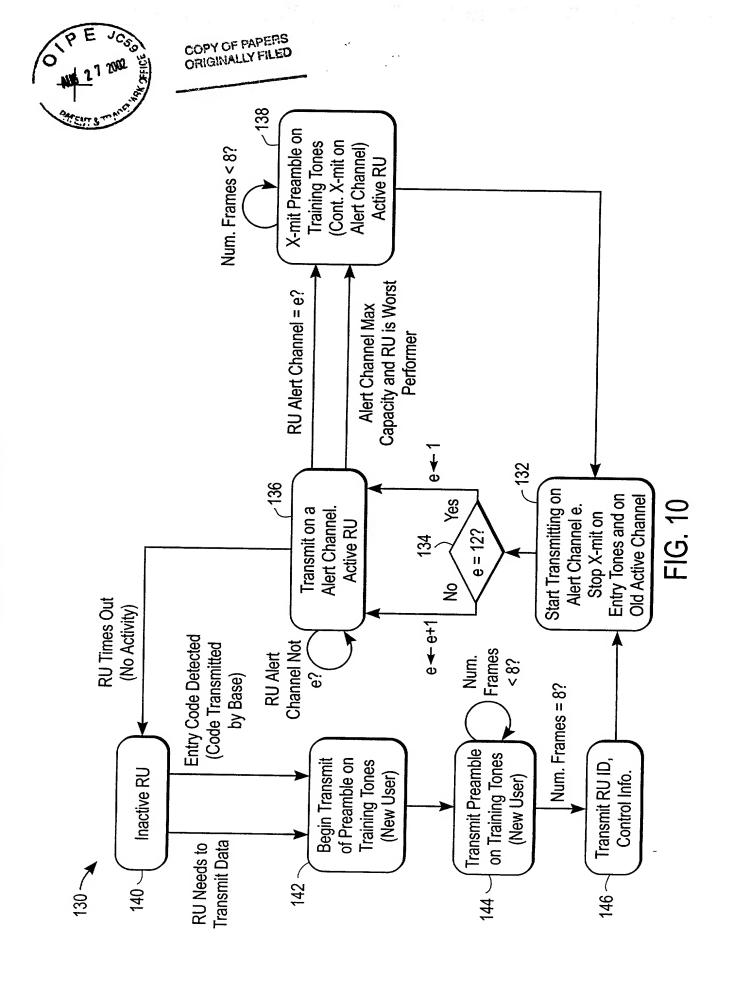
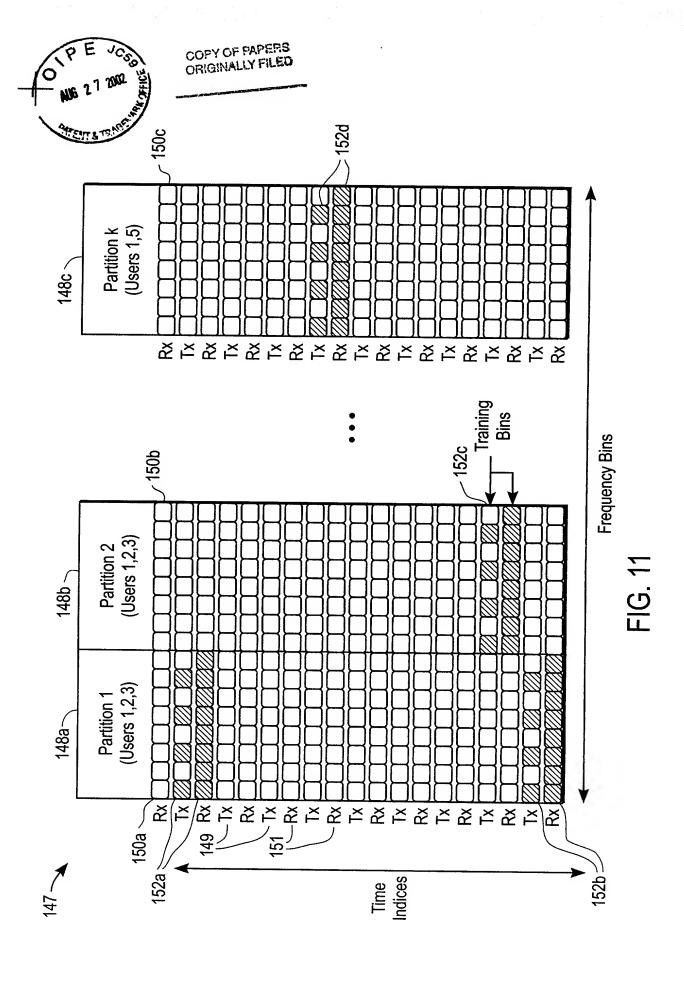
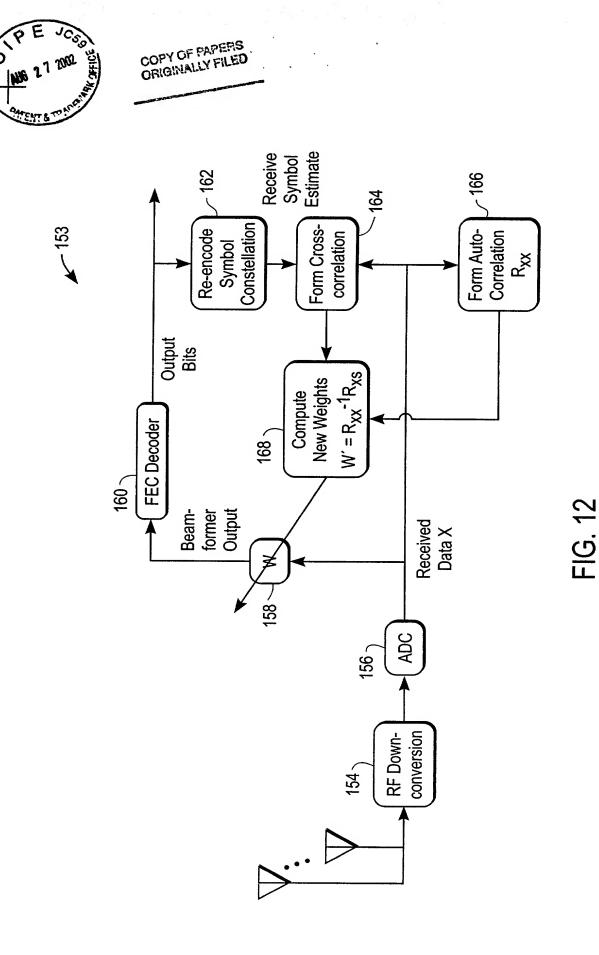


FIG. 9







\_



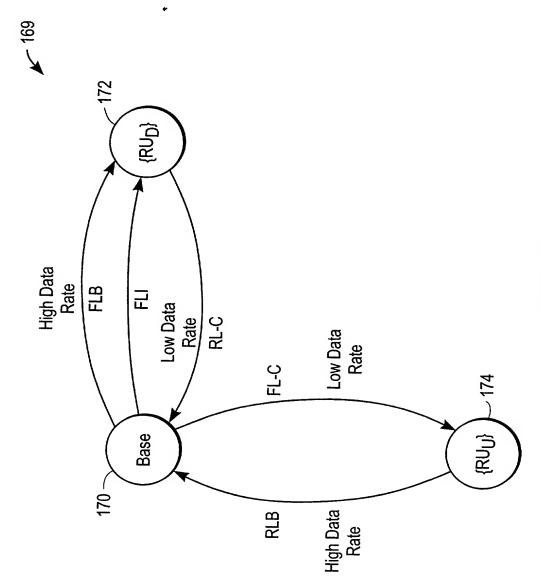


FIG. 13

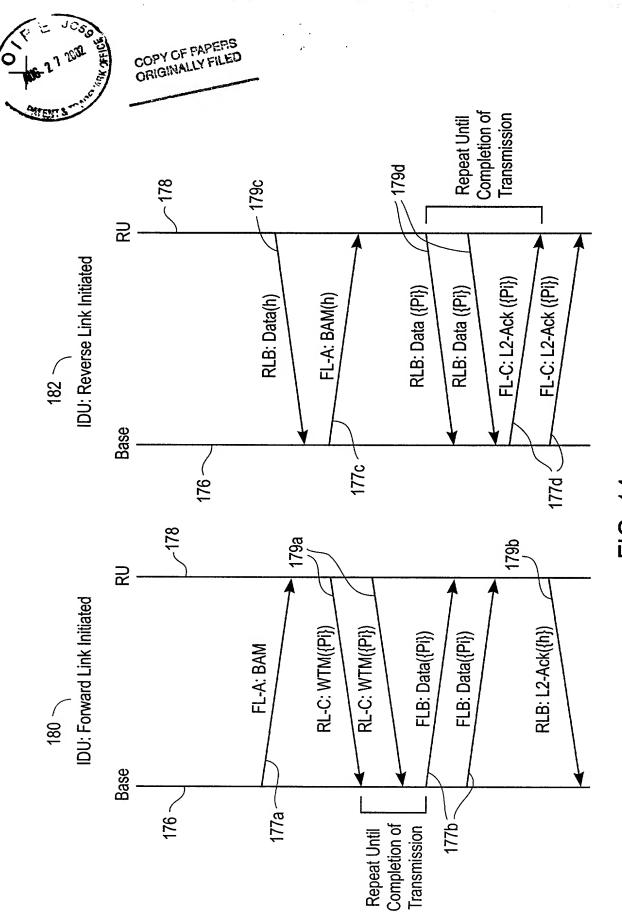
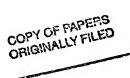


FIG. 14





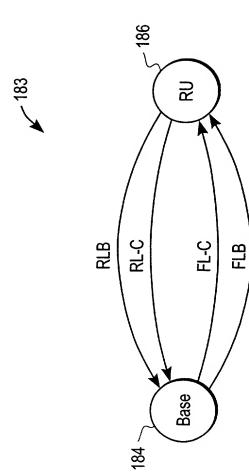


FIG. 15

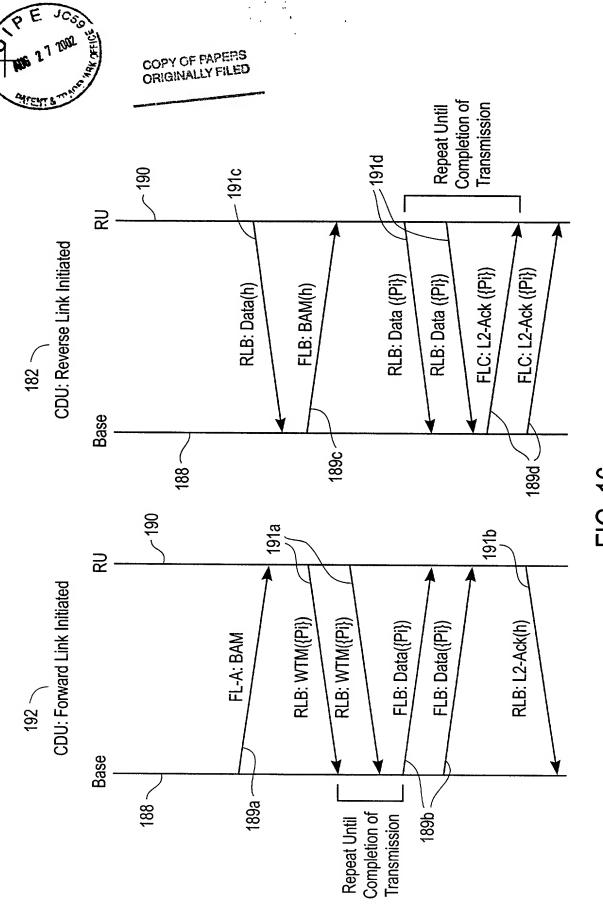
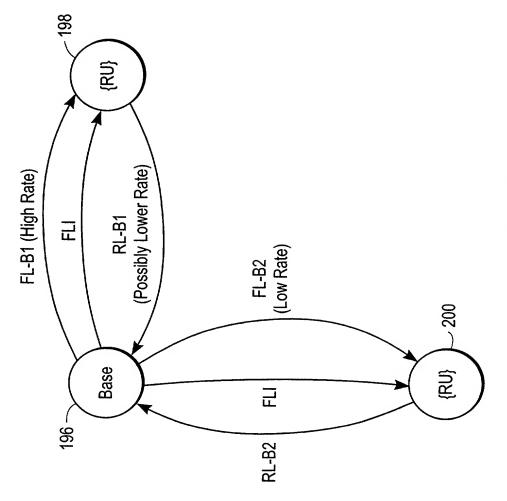


FIG. 16



COPY OF PAPERS ORIGINALLY FILED





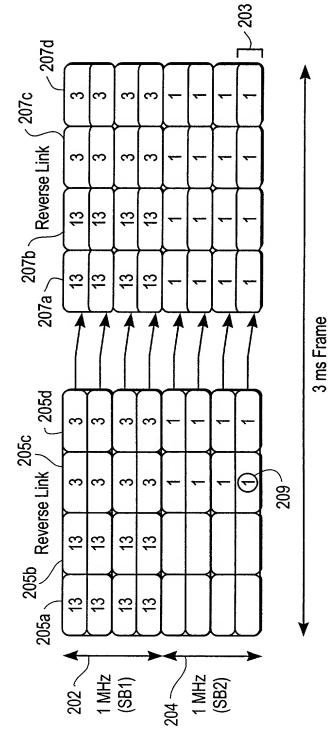


FIG. 18



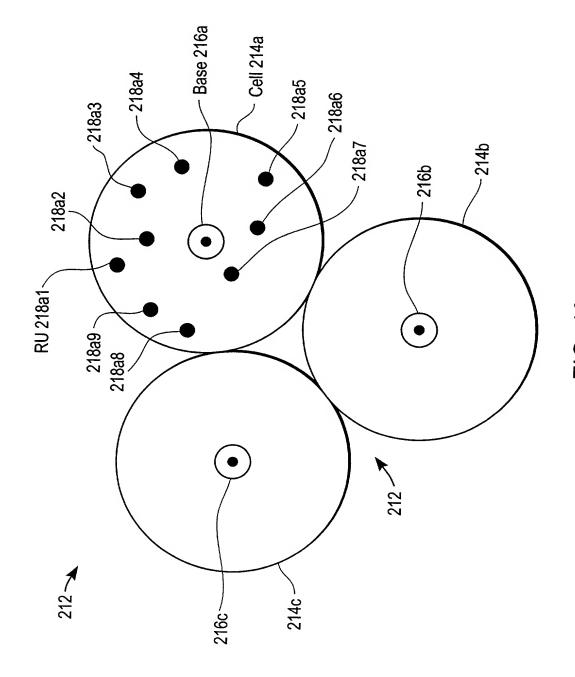


FIG. 19



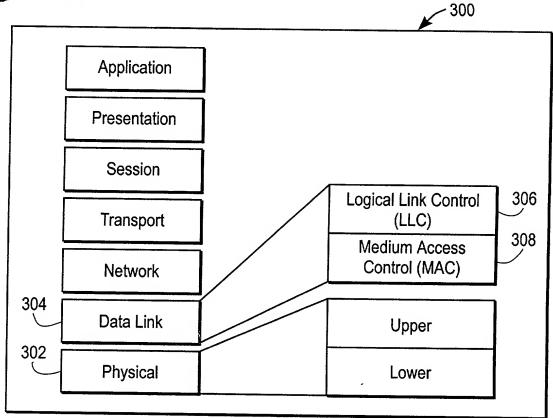


FIG. 20 (PRIOR ART)

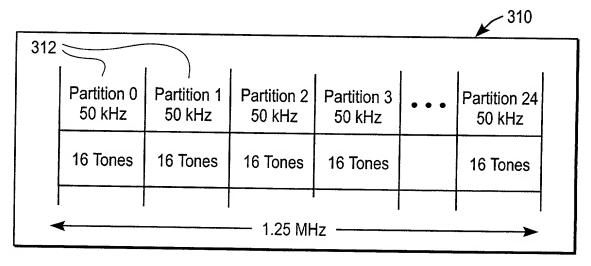
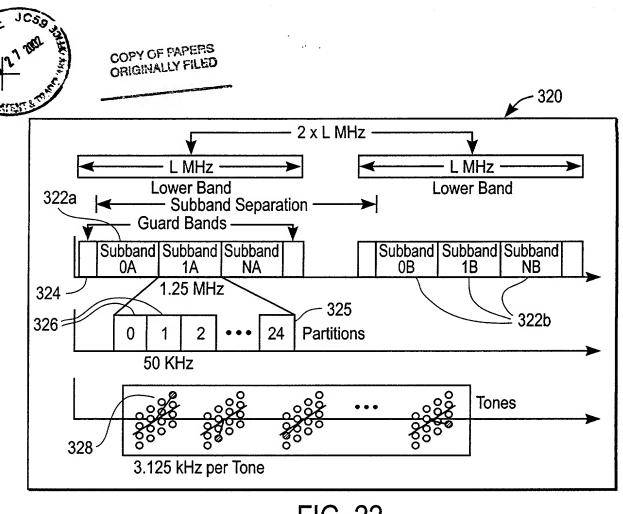


FIG. 21



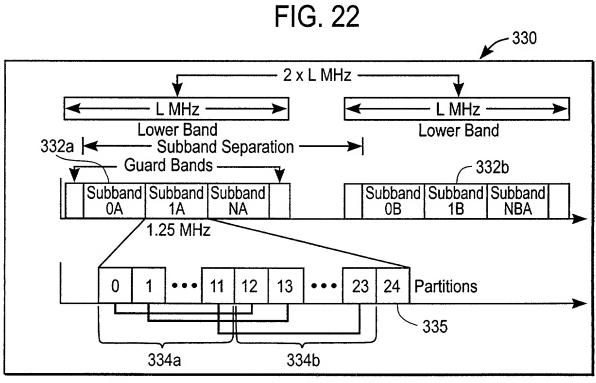


FIG. 23



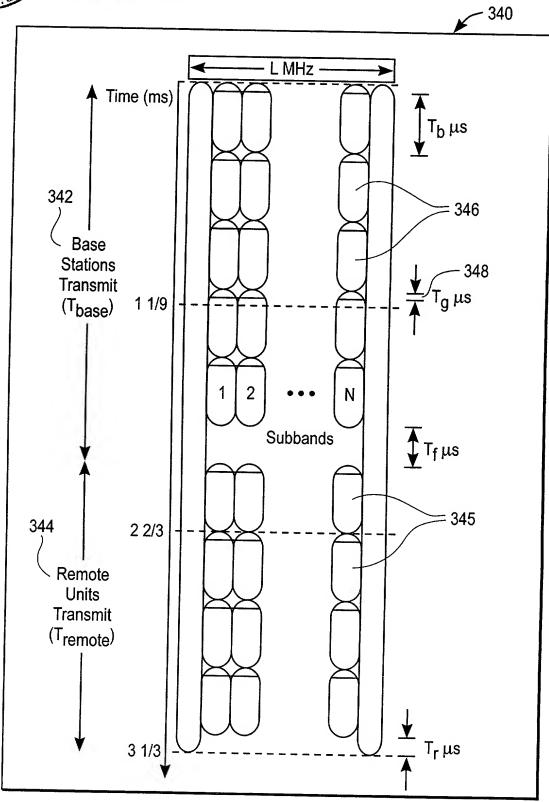


FIG. 24



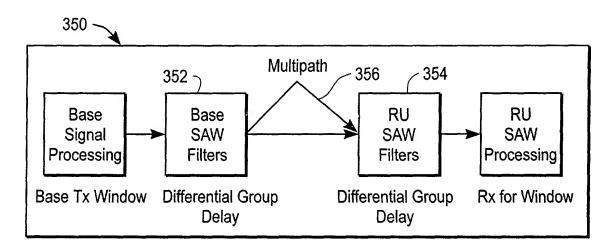


FIG. 25

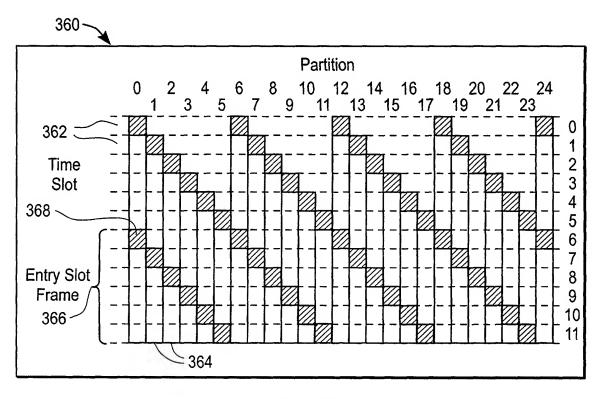


FIG. 26

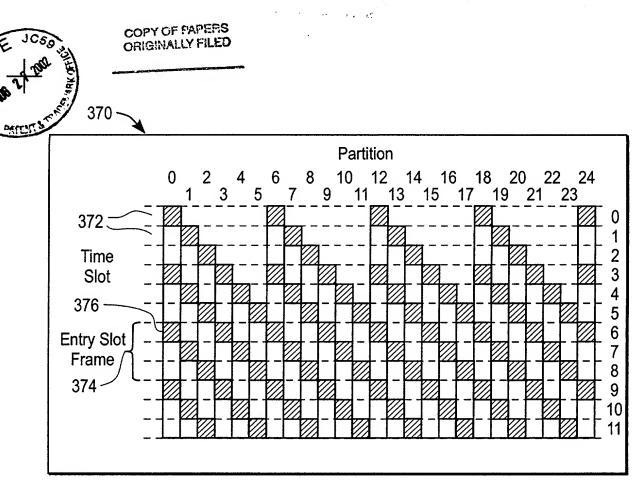


FIG. 27

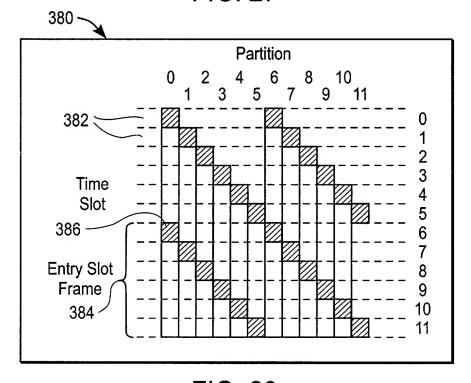


FIG. 28

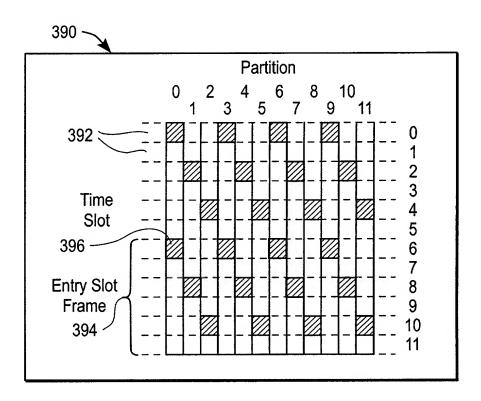


FIG. 29

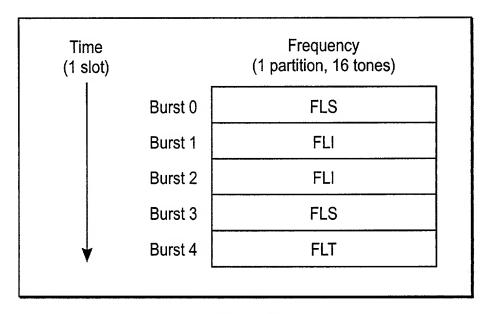


FIG. 30



COPY OF PAPERS ORIGINALLY FILED

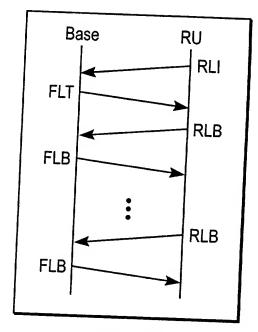


FIG. 31

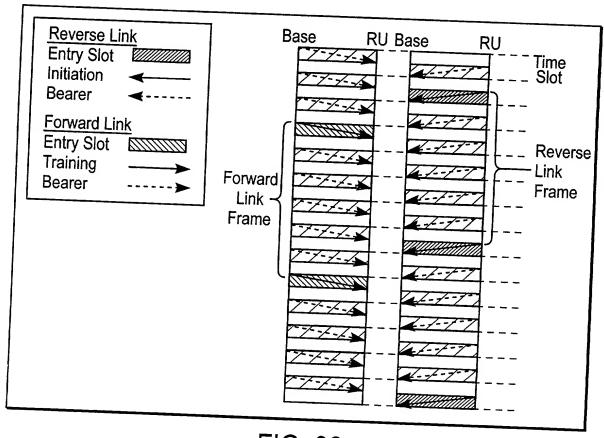


FIG. 32

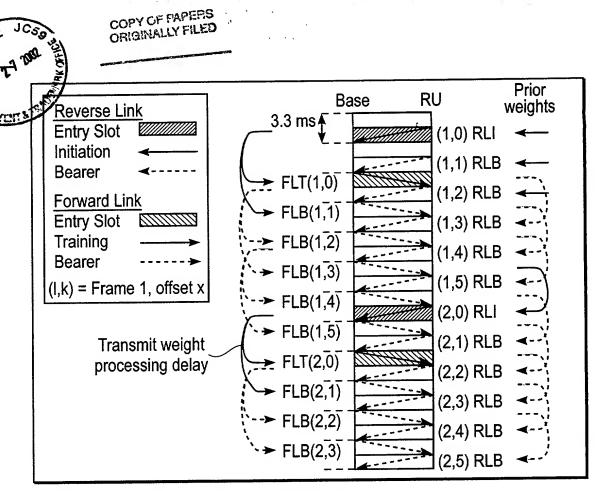


FIG. 33

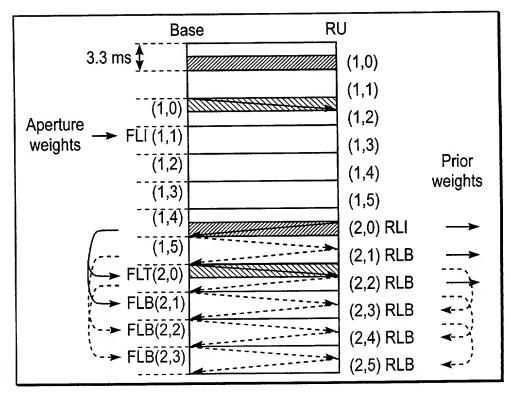


FIG. 34

\_

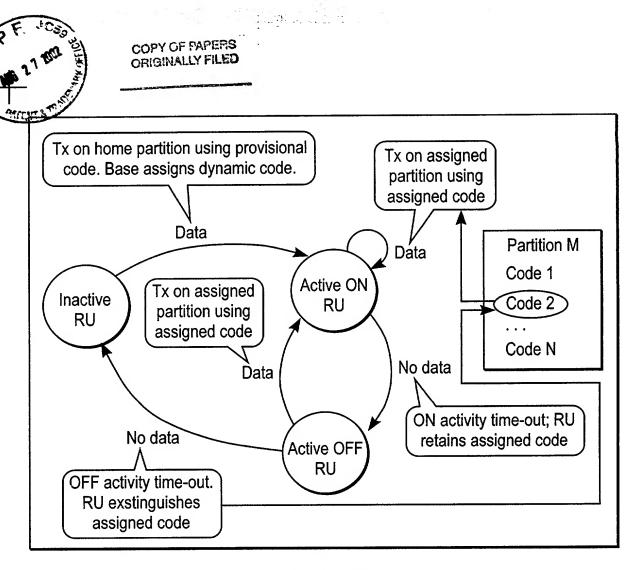
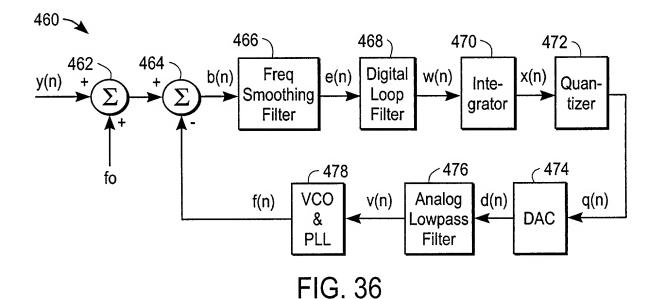


FIG. 35



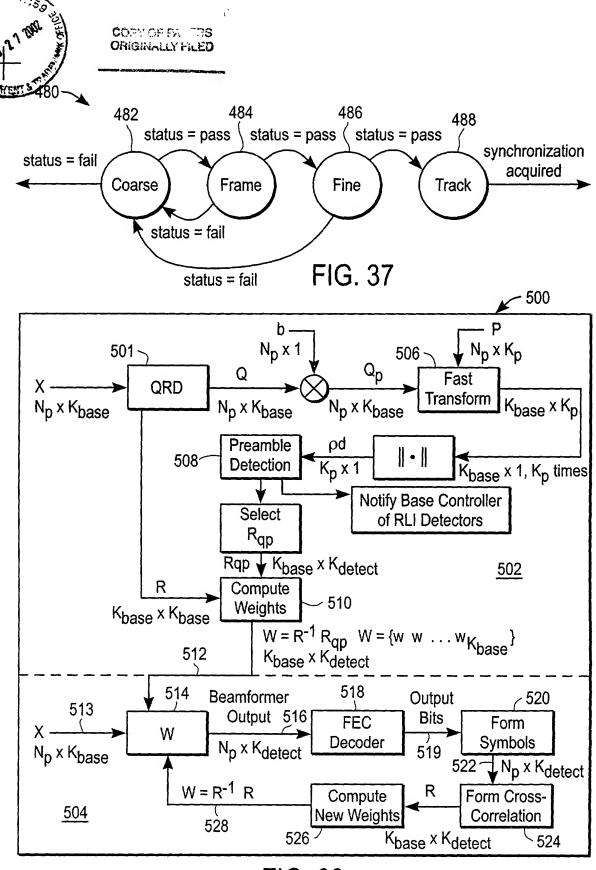


FIG. 38

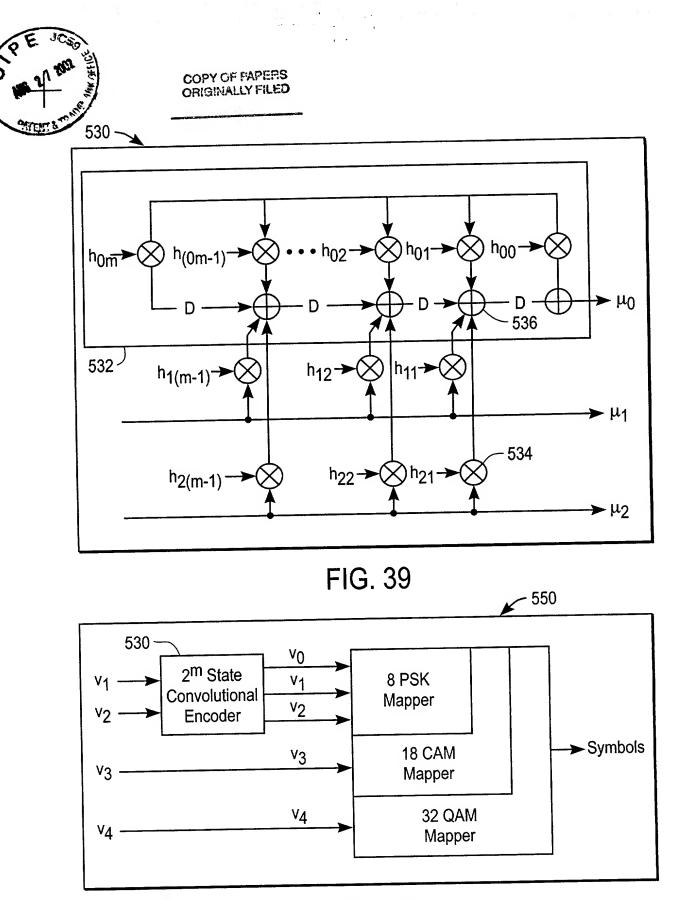


FIG. 40



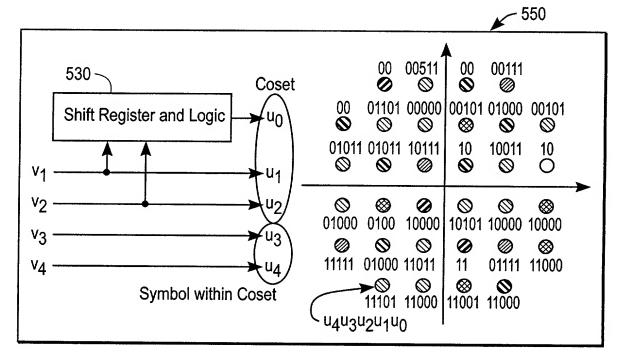


FIG. 41

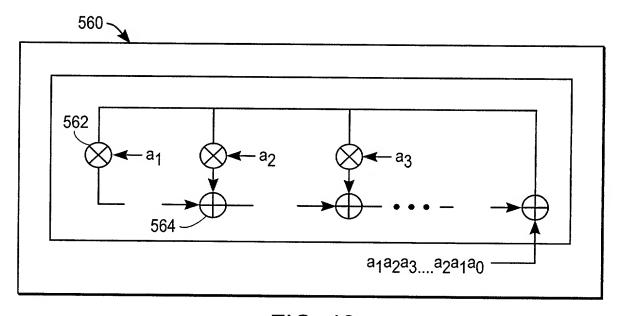


FIG. 42



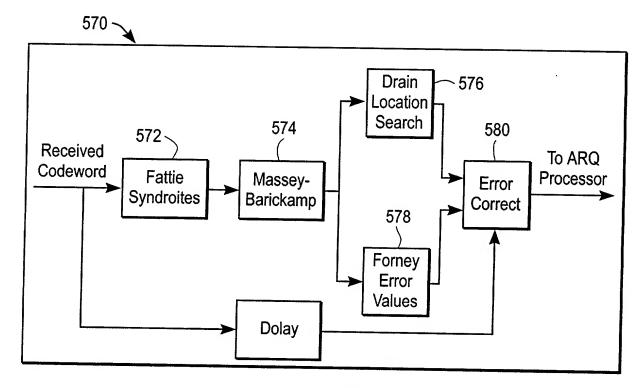


FIG. 43

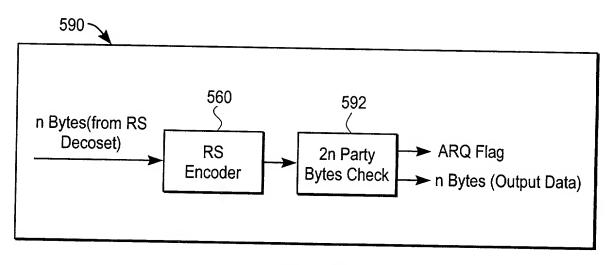


FIG. 44

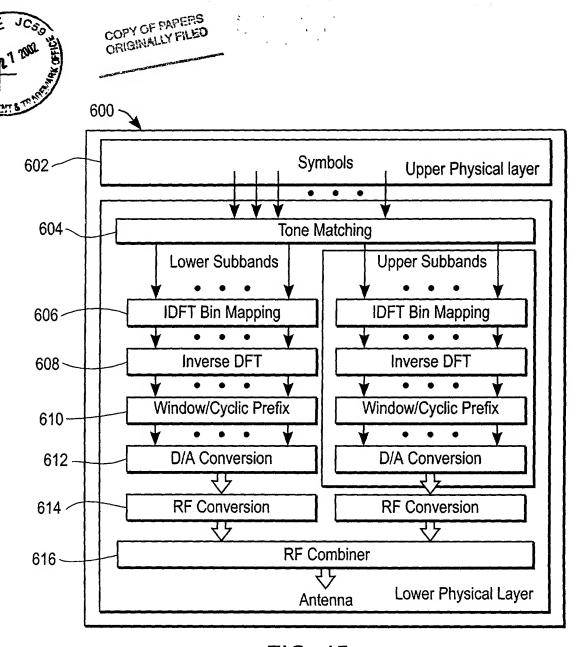


FIG. 45

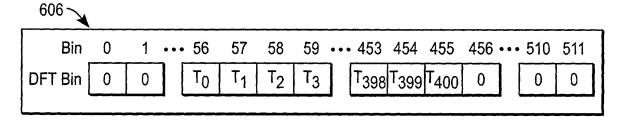


FIG. 46



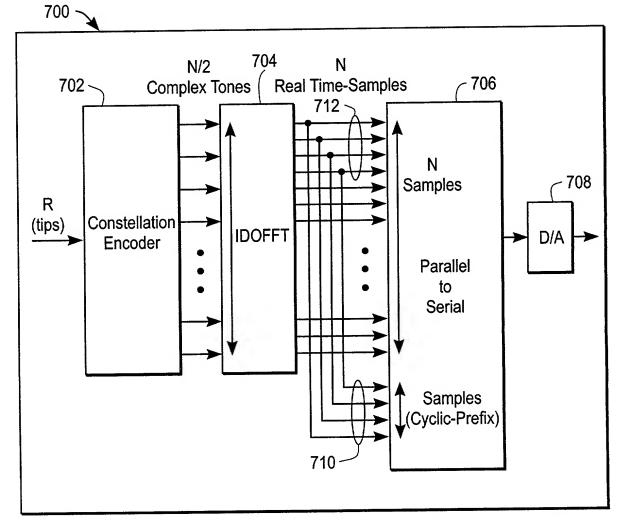
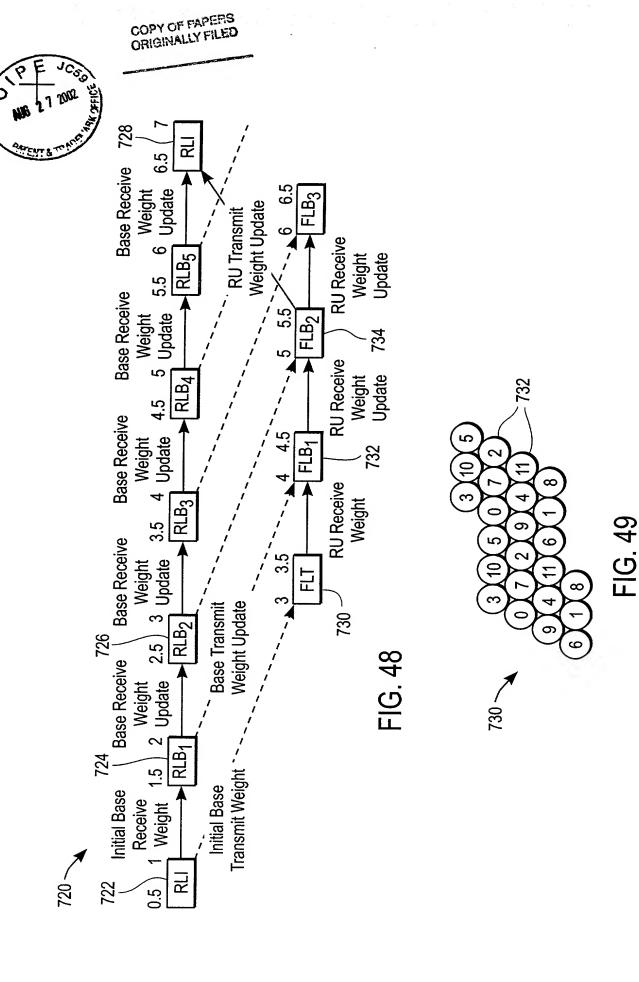


FIG. 47

+



+

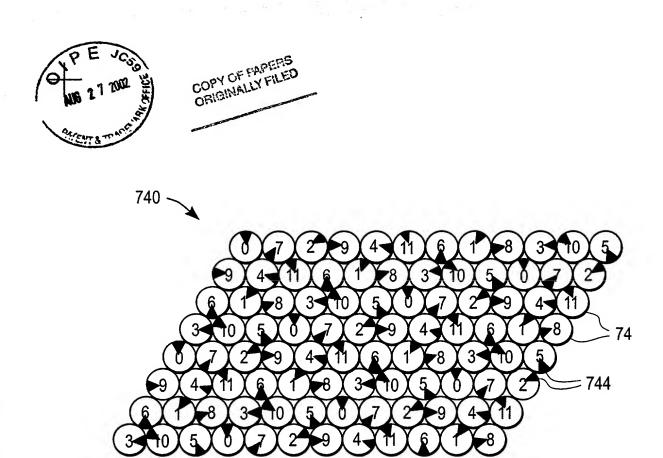


FIG. 50

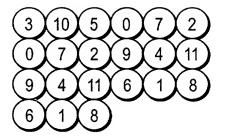


FIG. 51



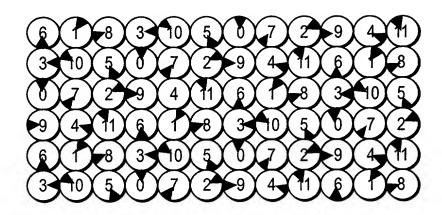
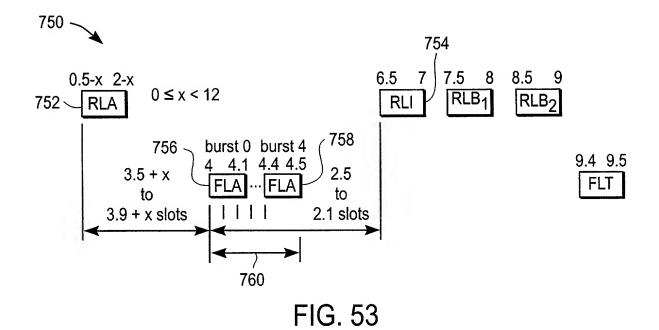


FIG. 52



4



Band	Bandwidth (MHz)	Subbands	Guard Bands (MHz)
WCS (A & B)	2 x 5	3	0.625
WCS (C/D)	2 x 5	2	1.250
MMDS	2 x 12	8	1.000

FIG. 54

Band of Interest	Channel Bandwidth (MHz)	Number of Subbands	Active Bandwidth (MHz)	Guard Band on each side of active band (MHz)
UHF, WCS	5	3	3.75	0.625
PCS	10	7	8.75	0.625
	15	10	12.5	1.25
MMDS	3	2	2.5	0.25
	6	4	5	0.5
	12	8	10	1
3.5 GHz	3.5	2	2.5	0.5
	7	4	5	1
	14	8	10	2
3.65 GHz	25	16	20	2.5

FIG. 55

Tone per burst	16	16	16	16	16	16
Information bits per tone	4	4	3	3	2	2
Bits per burst	64	64	48	48	32	32
Bursts per slot	5	4	5	4	5	4
Bits per bearer slot	320	256	240	192	160	128
Bits per frame	1600	1280	1200	960	800	640
Partition rate (kbps)	80	64	60	48	40	32
Full rate (kbps)	1920	1536	1440	1152	960	768

FIG. 56

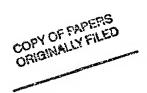




i <sub>1</sub> i <sub>0</sub>	i <sub>0</sub> =0	i <sub>0</sub> =1	i <sub>0</sub> =2	i <sub>0</sub> =3	i <sub>0</sub> =4	i <sub>0</sub> =5	i <sub>0</sub> =6	i <sub>0</sub> =7		i <sub>0</sub> =62	i <sub>0</sub> =63
i <sub>1</sub> =0	Χ	a=0	a=64	a=128	a=192	•••	a=3712	a=3776	a=3840	a=3904	a=3968
i <sub>1</sub> =1	a=3969	Χ	a=1	a=65	a=129		a=3649	a=3713	a=3777	a=3841	a=3905
i <sub>1</sub> =2	a=3906	a=3970	Χ	a=2	a=66	•••	a=3586	a=3650	a=3714	a=3778	a=3842
i <sub>1</sub> =3	a=3843	a=3907	a=3971	Χ	a=3	•••	a=3523	a=3587	a=3651	a=3715	a=3779
i <sub>1</sub> =4	a=3780	a=3844	a=3908	a=3972	Χ		a=3460	a=3524	a=3588	a=3652	a=3716
i <sub>1</sub> =5	***	•••	•••	•••	•••	•••	•••		•••	•••	•••
i <sub>1</sub> =6	a=315	a=379	a=443	a=507	a=571	•••	X	a=59	a=123	a=187	a=251
i <sub>1</sub> =7	a=252	a=316	a=380	a=444	a=508	•••	a=4028	Χ	a=60	a=124	a=188
	a=189	a=253	a=317	a=381	a=445	•••	a=3965	a=4029	Χ	a=61	a=125
i <sub>1</sub> =62	a=126	a=190	a=254	a=318	a=382	***	a=3902	a=3966	a=4030	Χ	a=62
i <sub>1</sub> =63	a=63	a=127	a=191	a=255	a=319	•••	a=3839	a=3903	a=3967	a=4031	Χ

FIG. 57





```
function fli = make_fli (codeword_descriptor)
% function fli = make_fli (codeword_descriptor)
% Synthesize a scaled 16 by 1 FLI codeword.
% 0 <= codeword_descriptor < 4096
% select the octal digits from the codeword descriptor
i0 = bitand (codeword_descriptor, -7);
i1 = bitand (bitshift (codewortd_descriptor, -3), 7);
i2 = bitand (bitshift (codeword_descriptor, -6), 7);
i3 = bitand (bitshift (codeword_descriptor, -9), 7);
generating Vector = [i0, i1, i2, i3] % generating vector
% the following kronecker basis function provides 4096 total codes
% and is based on an 8-star constellation
h = [ ...
       1.1923+0.2372j, 2.0960+0.4169j, 1.1923+0.2372j, 2.0960+0.4169j, ...
       1.1923+0.2372j, 2.0960+0.4169j, 1.1923+0.2372j, 2.0960+0.4169j; ...
       2.0960+0.4169i, 0.6754+1.0108i,-0.4169+2.0960i,-1.0108+0.6754j, ...
       -2.0960+0.4169j,-0.6754-1.0108j, 0.4169-2.0960j, 1.0108 -0.6754j;
% make the kronecker codeword
fli = 1;
for ii=1:4
       fli = kron (h(:, generatingVector(jj)+1), % matlab is one based
end
% quantize the codeword
fli = round (fli);
```

FIG. 58

762

```
% fls_super_results_12.m
% Lower 12 bits are the base tones, upper 4 bits are the superframe tones.
% First index (row) is the base, second (column) is the superframe
Codeword = [ ...
23125 39509 27221 55893 6741 43605 47701 10837 51797 31317 59989 19029; 40269 36173 64845 44365 56653 11597 48461 15693 27981 60749 52557 32077; 47781 60069 27301 15013 10917 39589 51877 2725 35493 19109 43685 55973; 13669 54629 5477 34149 62821 21861 9573 38245 42341 46437 30053 50533; 27309 10925 55981 43693 47789 51885 6829 35501 15021 19117 39597 23213; 21842 28407 34404 5430 43202 54584 0626 63773 46380 47747 50486 58677
                                                            9525 62773 46389 17717 50485 58677;
6997 23381 52053 35669 60245 47957;
9621 62869 30101 45677 26005 58773;
                               5429 42293 54581
 21813 38197 34101
27477 56149 11093 43861 19285 39765
42389 17813 46485 50581 21909 1429
42709 38613 46805 14037 18133 50901
  $2709 38613 46805 14037 18133 50901 5845 22229 54997 59093 34517 30421; 8217 46409 25929 42313 5449 9545 50505 13641 54601 17737 21833 30025; 4693 12885 21077 16981 53845 41557 49749 62037 45653 29269 25173 37461;
 38217 46409 25929 42313
59049 34473 5801 9897 54953 13993 26281 18089 38569 42665 46761 50857; ...
                        6A55 DA55 1A55 AA55 BA55 2A55 CA55
                                                                                         7A55 EA55 4A55
      5A55
                                                                                        ED4D CD4D 7D4D
                       FD4D AD4D DD4D 2D4D BD4D
                                                                      3D4D 6D4D
     9D4D 8D4D
     3AA5 2AA5 9AA5 CAA5 0AA5 8AA5
8565 F565 5565 2565 9565 A565
                                                                                         4AA5 AAA5 DAA5
                        6AA5
                                                                       F535
5B55
                                           4B55
5595
                                  AB55
                                                     9B55
                                                              1B55
                                                                                CB55
                                                                                          8B55
      6B55
                         2B55
               DB55
                                                              2595
16D5
                                                                       F595
                                                                                 7595
                                                                                          D595
                                                                                                    6595
                                  C595
                                                     0595
                         B595
                                                                                D6D5
                                                                                         E6D5
                                                                                                    86D5
                                  36D5
                                           46D5
                                                    C6D5
                                                                       56D5
     A6D5
               96D5
                        B6D5
                                                              C549
C255
                                                                                D549
B255
                                                     2549
                                                                        3549
                                                                                          4549
                                                                                                    5549
                                                                                                             7549
                         6549
                                  A549
                                            1549
      9549
               B549
                                                     Ã255
                                                                                                    6255
                                                                                                             9255
                                  4255
                                           D255
                                                                       F255
                                                                                           7255
                         5255
      1255
                3255
                                                                       46A9
                                                                                                   B6A9 C6A9
                                                              66A9
                                                                                96A9
                                                                                          A6A9
                                                     36A9
                         16A9
                                  26A9 D6A9
Nb = 12; % Number of tones in base
Ns = 4; % Number of tones in superframe sequence
```

Nt = 16; % Total number of tones

## FIG. 59

764 -

```
function fls = make_fls (base, superframe)
% function fls = make fls (base, superframe)
% base is the base offset code and varies from 0 to 11
% superframe is the slot sequence number and varies from 0 to 11
fls_super_results_12 % read in the codeword descriptor array
t = zeros (Nt, 1);
for jj=1:Nt
        t(jj) = 2^(jj-1); % form a vector of walking ones
end
cw = codeword (base+1, superframe+1); % select codeword descriptor bv = (bitand(cw,t) ~= 0) * 2 - 1; % make BPSK vector
fls = (15 + 15i) * bv; % scale the BPSK vector
```

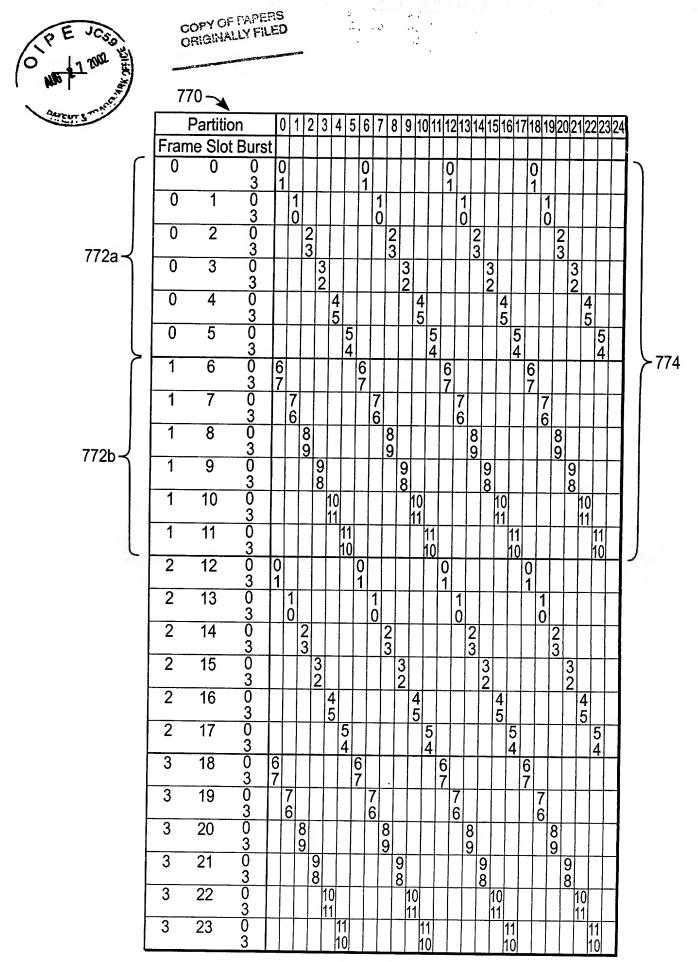
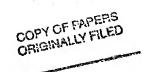


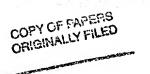
FIG. 61



<del>}</del>			- 1	Е	. 1		. 1		_ 1	1	- 1		4.5						ام	, -1	4	401	20	24	مما	201	<u>.</u>
Pa	rtition		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1/	18	19	20	21	22	234	24
Frame	Slot B	urst										١									-					1	╝
0	0	0	0			1			0			1			0			1			0			1			
		<u>3</u>	1			0			1			0		_	1		4	0	4	$\dashv$	1	$\dashv$	_	0	$\dashv$	_	_
0	1	0											١														
0	2	<u>3</u>	Н	2	$\dashv$	-	3	-		2	-	-	3	_	Н	2	$\dashv$	$\dashv$	3	$\dashv$	-	7	-		3	$\dashv$	-1
0	2	3		23			32			23			3			2			3			23			3 2		
0	3	ŏ	П	Ĭ			-			Ĭ						Ĭ			_	7		Ĭ					
		3_	Ш											_					_			Ц	_				
0	4	0			4			5 4			4 5			5			4 5	-		54			4 5			5 4	1
	F	3	H		5		_	4			5		Н	4			기	_	-	4		H	<u></u>			4	
0	5	∪ વ																									
1	6	ŏ	7		H	6			7			6		_	7		$\neg$	6			7			6 7			
		3	6			6 7			6			7			6			7			6			7		_	
1	7	3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0																	-								
		3_	H	_	_	_	0	L	_			_	0	-	-	0	-		0			0	_	H	8	$\dashv$	
1	8	<u>ر</u>		98			8 9			9 8			8 9			9 8			8 9			9 8			9		
1	9	<del>5</del>	╁	0		-	3		<del> </del>		-	H	3	_	$\vdash$	U			9	-		۲		Г	Ü		
'	J	ž																									
1	10	0	T		11		Γ	10			11		Γ	10			11			10			11			10	
		3_	L	L	10	_		11	L		10	_		11	_	_	10		_	11	_		10	_	_	11	
1	11	0																									
2	12	<u>3</u>	0		-	1	H	-	0	┝	┝	1	-	H	0			1	H		0	十		1	$\vdash$		
2	12	3	11			ó			1			o		:	1			0			1			Ö			
2	13	Ŏ	Ť	$\vdash$	$\vdash$	Ť	T	1	Ť		T	Ť		Γ	Ť	T		Ť		Γ	Ť						
		3	L			L	L	L		L			L	L			_	_	L		L	_	L	_	Ļ	_	
2	14	0		23			3 2			2			3			2			3			3			3 2		
	45	3	-	3	╀	$\vdash$	12	+	+	3	$\vdash$	$\vdash$	12	H	+-	3	<del> </del>	$\vdash$	2	-	├	13	$\vdash$	╁	1	-	H
2	15	∪ વ																									
2	16	0	十	1	4	$\dagger$	-	5	+	$\dagger$	4	+	-	5	;	$\dagger$	4		T	5		+	4	T	T	5	
					5			4			5			4			5		L	4		$\perp$	5			4	
2	17	0	T		Γ																					-	
		3	4.,	1	1	Ļ	+	-	<del> </del>	-	_	1	+	1	-	+	-	6	_	╀	-	+	$\vdash$	6	+	$\vdash$	$\vdash$
3	18	3 0 3 0 3 0 3 0 3 0 3 0 3	7  6			67	?		7			67	)		6			67			6	;		6			
3	19	0	+	<u>'</u>	+	1	+	+	+	+	$\dagger$	+	+	$\dagger$	+	+	$\vdash$	+	T	$\dagger$	1	+	+	+	$\dagger$	┢	$\dagger$
'	10	3																									
3	20	Ő	$\top$	8	)	T	8	3	1	9		T	8		Τ	9		Γ	8		Ī	9			8		
		3	$\perp$	8	3	1	S	)	1	3	3	$\downarrow$	9	4	$\bot$	8		-	9	1	+	<u> </u>	4	$\perp$	9	-	-
3	21	0																									
-	22	<u>3</u>	+	+	1	+	+	11		+	1'	+	+	11		╁	11	+	+	10	+	+	1	+	+	10	)
3	22	3			10	נ כ		1(	1		10	) ]		1	1		10	)		11	ĺ		1(	j		11	
3	23	Ŏ	$\dagger$	T	1.,	1	+	Ť	+	1	ľ	1	T	Ť	1	$\top$	Ť	T	T	1	1	T	T	Ţ			
1		3																				L		_			_

FIG. 62

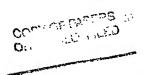




1	Pa	artitio	n	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Frame	Slot	Burst								Γ	Γ			Γ	T					Г			Γ				П
	0	0	0 3	a a						α						Y						ΨΨ						
	0	1	0		b						β						X					Ī	$\Xi$					
	0	2	0			C					ľ	χ χ						W						$\Omega$				
	0	3	0				d d						δ						۷ ۷						ς			
	0	4	3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0					e e						εε						U					Ť	∴ ∴		
	0	5	0						f						φ					,	T							
	1	6	0	SS						$\frac{\gamma}{\gamma}$						g g					•	$\Sigma \Sigma$						
	1	7	0		RR						η η						h h						<u>[</u>					1
	1	8	0 3			QQ						l l						i						Θ Θ				
	1	9	0 3				P P						φ						į						ППП			1
	1	10	0					0						K K						k k						}		1
	1	11	0 3						N N						λ												]	
	2	12	0 3							$\Lambda \Lambda$					- 1	m m						μ						
	2	13	0 3		K K						$\}$						n n						V V					
	2	14	0 3			J J						θ						0						~				
	2	15	0 3										*						p p						$\pi \pi$			
	2	16						H H												q q						θ θ		
L	2	17	3					(	G												r r						]	
	3	18	3	s s			1		ľ	Φ						F F						σ σ						
L	3	19	3		t t						& &						E						τ					
L	3	20	3			u u						$\Delta  $		$\perp$										ט				
L	3	21	3 0 3 0 3 0 3 0 3 0 3 0 3	1	_		۷ ۷						X					1						(	o O			
	3	22	3	1				۷ ۷			1	1	<u> </u> -	니		$\downarrow$			E	3		$\downarrow$			(	D D		
	3	23	3					>						9	6					1	1					3		

FIG. 63





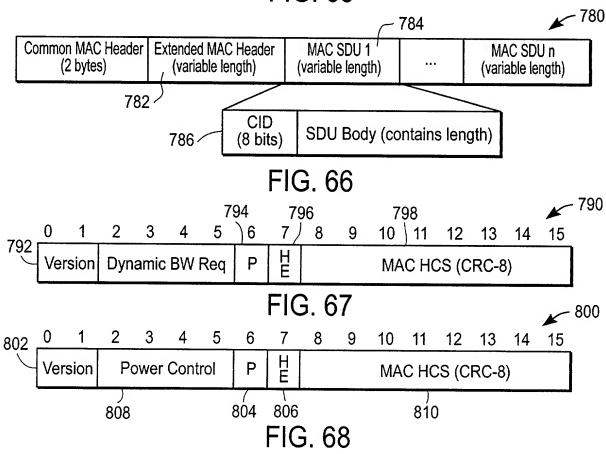
ORIGIN	F FAPERS ALLY FILED
William Parket	

Burst ->	0	1	2	3	4
Time slot counter modulo 6				the RU an RL	
0	20	2	8	14	20
1	3	9	15	21	3
2	10	16	22	4	10
3	17	23	5	11	17
4	0	6	12	18	0
5	13	19	1	7	13

FIG. 64

Burst ->	0	1	2	3	4		
Time slot counter modulo 6			n which to send				
0	8	11	2	5	8		
1	3	6	9	0	3		
2	10	1	4	7	10		
3	5	8	11	2	5		
4	0	3	6	9	0		
5	1	4	7	10	1		

FIG. 65



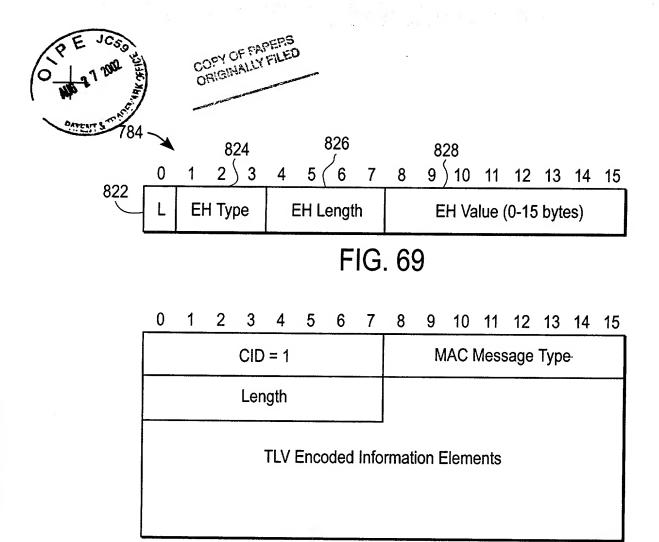


FIG. 70

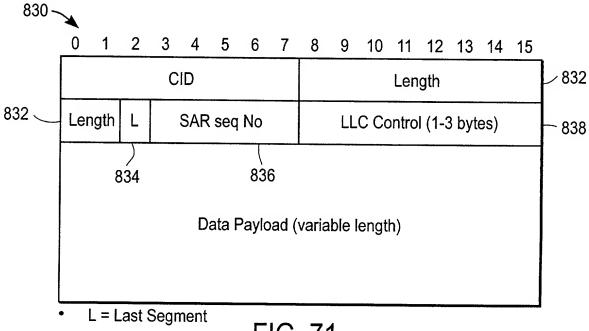


FIG. 71

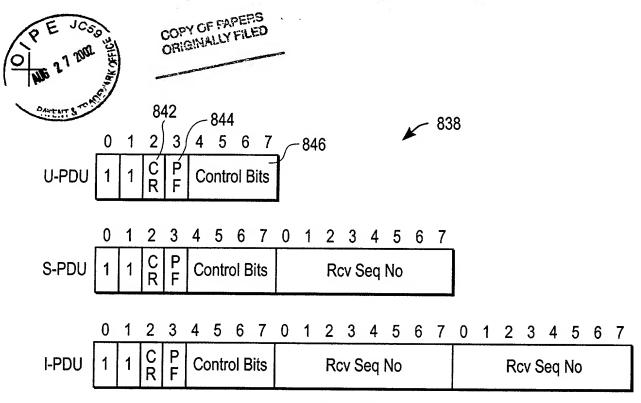


FIG. 72

Modulation Order	4 Bits	s/Sym	3 Bits	s/Sym	2 Bits	s/Sym
Link Direction	Forward	Reverse	Forward	Reverse	Forward	Reverse
Bits/Symbol	4	4	3	3	2	2
Symbols/Burst	16	16	16	16	16	16
Bursts/Slot	5	5	5	4	5	4
Bits/Slot	320	256	240	192	160	128
Bytes/Slot	40	32	30	24	20	16
Slots/Frame	5	5	5	5	5	5
Bits/Frame	1600	1280	1200	960	800	640
Bytes/Frame	200	160	150	120	100	80
Viterbi Tail Byte(*)	1	1	1	1	1	1
RS Check Bytes	28	28	18	18	10	10
Common MAC Header	2	2	2	2	2	2
MAC SDU Header	169	129	129	99	87	67
Data SDU Header	6	6	6	6	6	6
Data Payload	163	123	123	93	81	61
Data Rate/Partition, kbps	65.2	49.2	49.2	37.2	32.4	24.4
Partitions/Subband	24	24	24	24	24	24
Data Rate/Subband, kbps	1564.8	1180.8	1180.8	892.8	777.6	585.6
Subband Data Rate/T1	1.02	0.77	0.77	0.58	0.51	0.38

FIG. 73



COPY OF FAPERS ORIGINALLY FILED

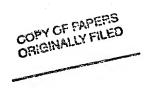
/																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
				CI	D											SAR Seq No		
					<del></del>	·					<del>uou,</del>		<u>'</u>		000	110		
							IP I	ldeni	tificat	tion								
								IP F	ICS									
							l	JDP	HCS	3	· · · · · · · · · · · · · · · · · · ·							
							R	ΓP S	eq N	0.					·			
							RTP	' Tim	e Sta	amp								
					V	olP F	Paylo	ad (v	varia	ble le	ength	1)			<del></del>			
			-				Eth	nerne	et FC	s								

FIG. 74

0 1 2 3 4 5 6 7	8 9 10 11 12 13 14 15
CID	Length P L SAR (coded) T Seq No
Compressed RTP Header	UDP HCS
UDP HCS	VoIP HCS (CRC-8)
VolP Payload (	variable length)

FIG. 75





Modulation Order		s/Sym		s/Sym		s/Sym	
Link Direction	Forward	Reverse	Forward	Reverse	Forward	Reverse	
Entry Slot	_	-	-	_	-	_	
Bearer Slot 1	40	32	30	24	20	16	10
Bearer Slot 2	40	32	30	24	20	16	ms
Common MAC Header	2	2	2	2	2	2	1113
Mac SDU Length	78	62	58	46	38	30	
Bearer Slot 3	40	32	30	24	20	16	
Bearer Slot 4	40	32	30	24	20	16	10
Bearer Slot 5(*)	39	31	29	23	19	15	ms
Common MAC Header	2	2	2	2	2	2	1113
MAC SDU Length	117	93	87	69	57	45	

(\*) Viterbi tail byte occurs in the 5th bearer slot.

FIG. 76

Frame Duration		20ms			10 ms	
Vocoder	G.711	G.726	G.729	G.711	G.726	G.729
Bit Rate, kbps	64.0	32.0	8.0	64.0	32.0	8.0
Voice Bytes	160	80	20	80	40	10
VoIP Overhead(*)	16	16	16	3	3	3
VoIP Payload Size	176	96	36	83	43	13
Voice SDU Header	2	2	2	3	3	3
4 Bits/Sym						
SDU Size Limit (RL)	129	129	129	62	62	62
No. Partitions	2	1	1/3	2	1	1/3
SDU Size	90x2	98	38	45+44	46	16
3 Bits/Sym						
SDU Size Limit (RL)	99	99	99	46	46	46
No. Partitions	2	1	1/2	2	1	1/2
SDU Size	90x2	98	38	45+44	46	16
2 Bits/Sym						
SDU Size Limit (RL)	67	67	67	30	30	30
No. Partitions	3	2	1	4	2	1
SDU Size	61x2+60	50x2	38	24x3+23	25+24	16

(\*) Include RTP, UDP, IP, PPPoE, and Ethernet

FIG. 77



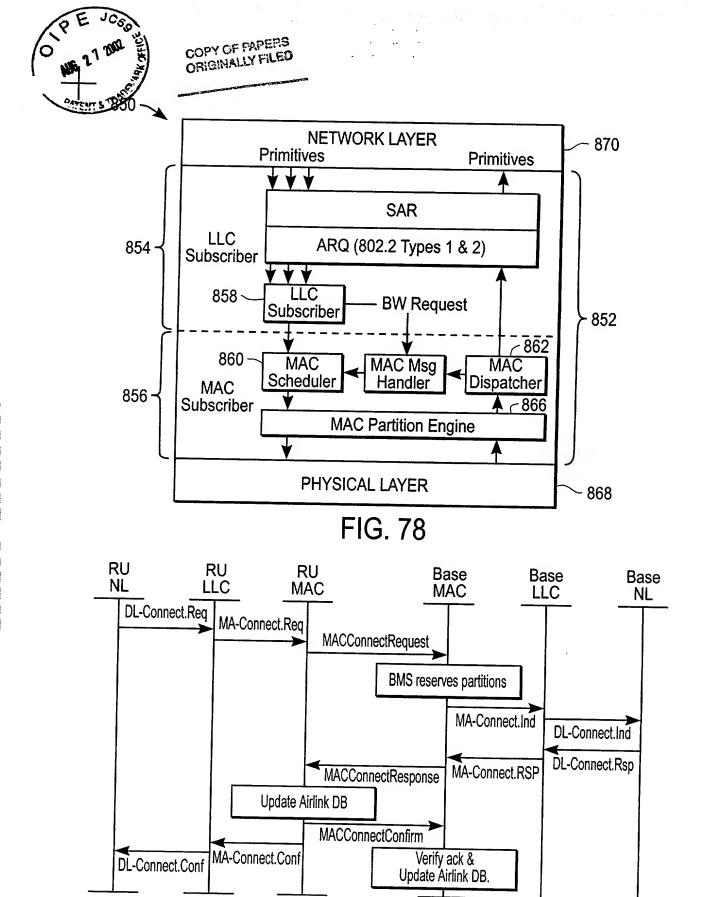


FIG. 79

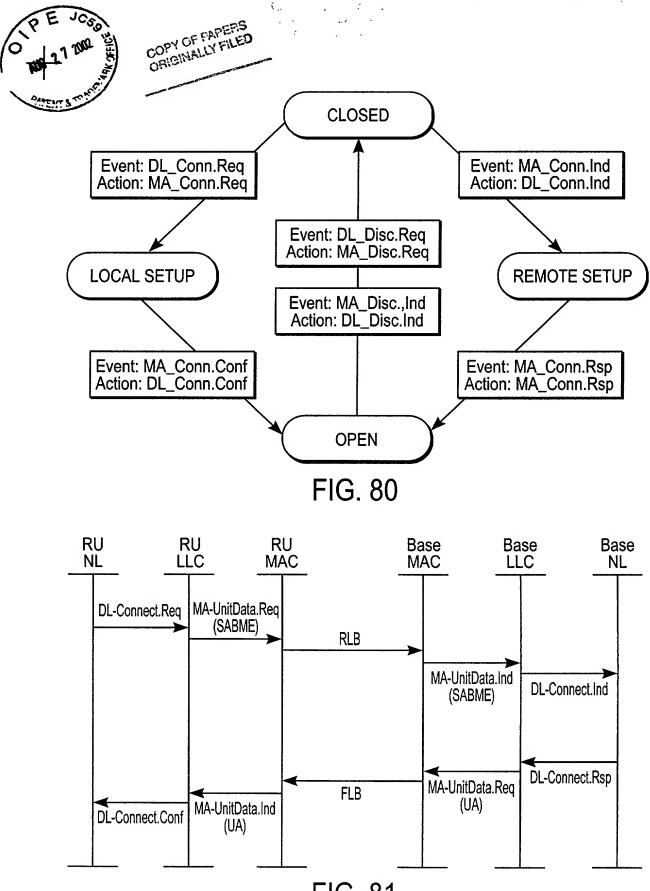
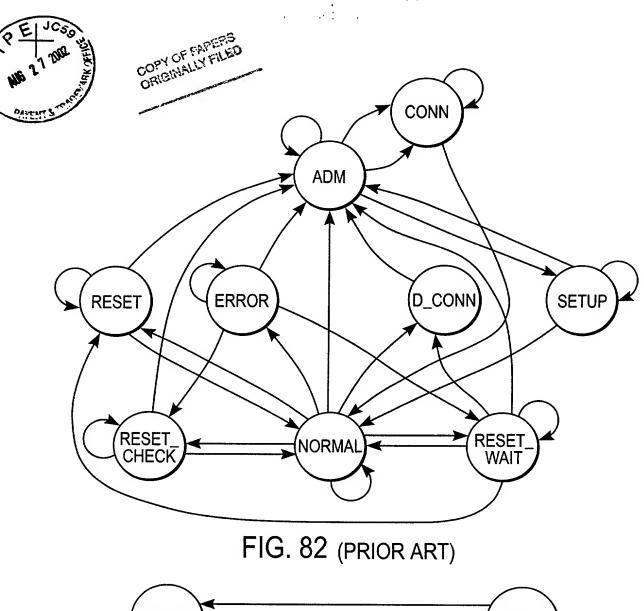
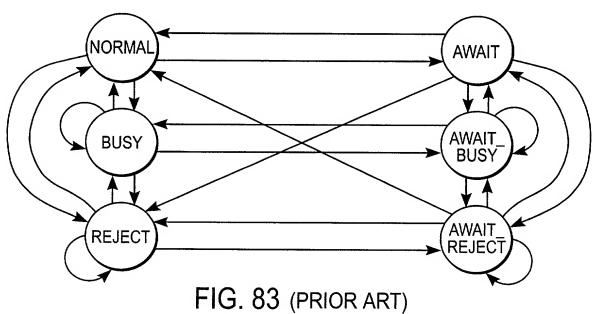


FIG. 81





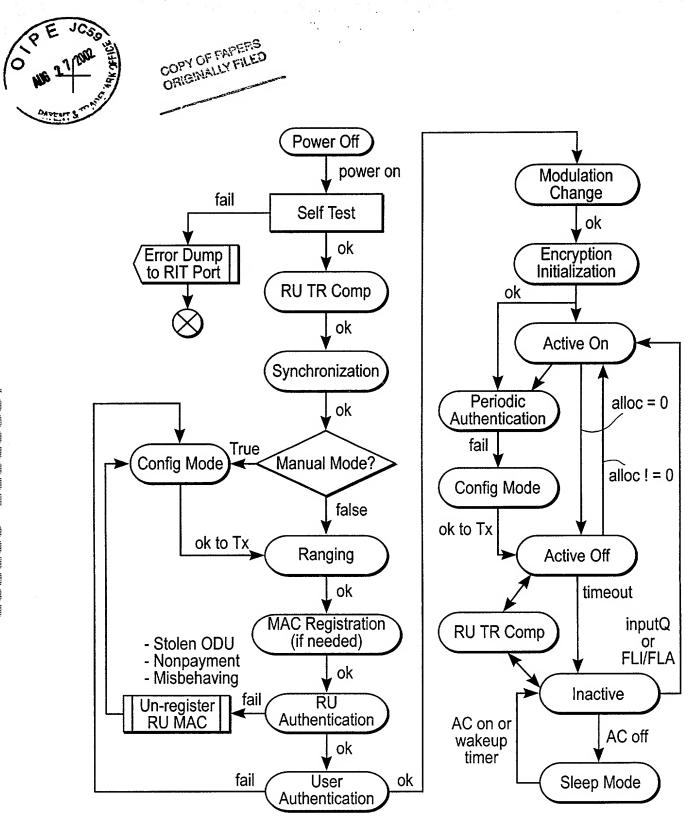
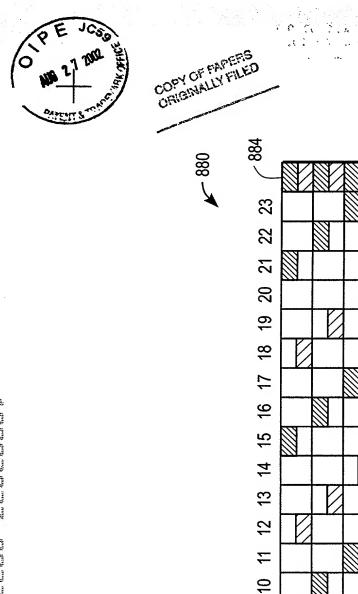


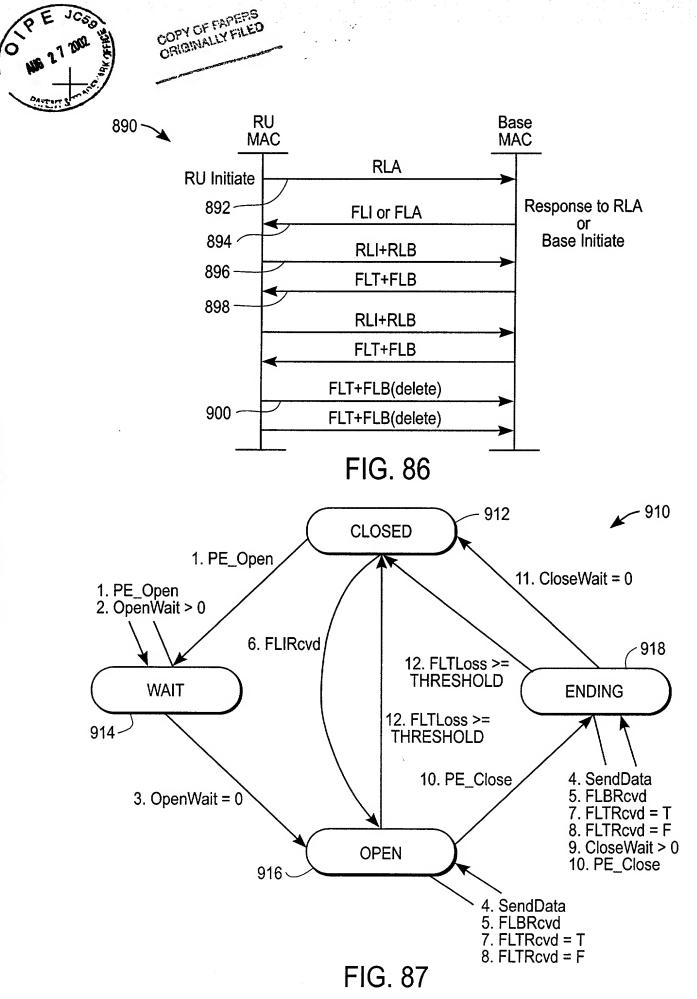
FIG. 84



10 11 12 13 14 15 16 17 18 တ  $\infty$ 7 9 2 4 က 2

FL Entry Slot Slot Slot

FIG. 85







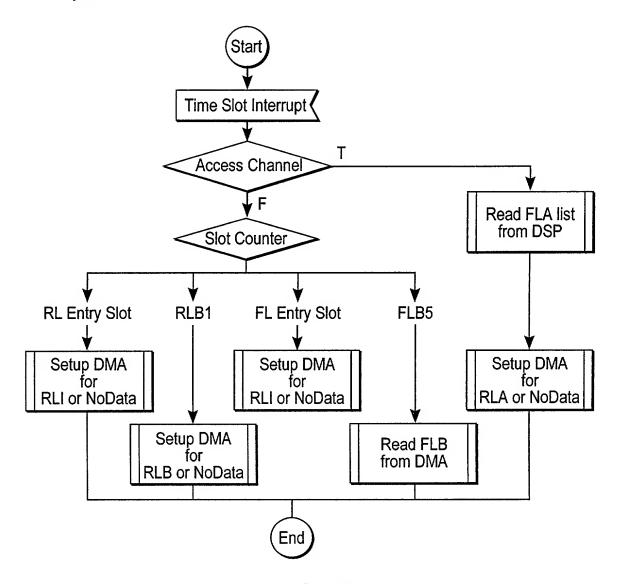


FIG. 88

-

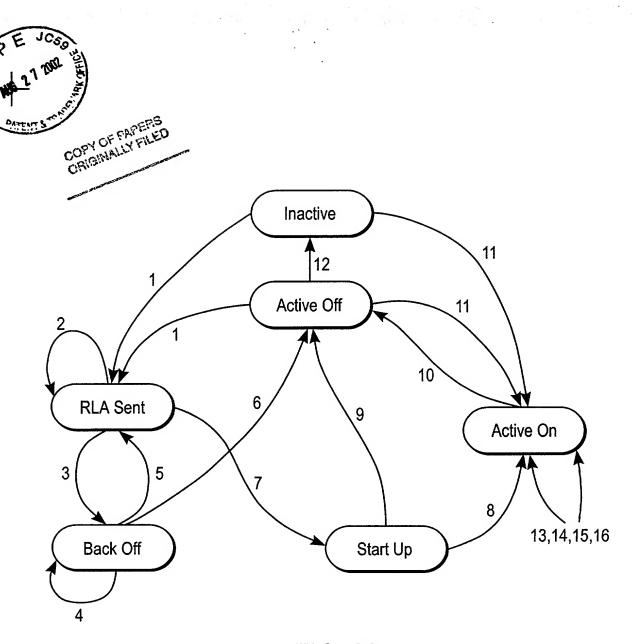


FIG. 89





- 1. Event = MA\_UnitData.Request SendRLA; Set ReplyCounter; RLAMiss=0;
- 2. Event = ReplyTimer > 0 ReplyCounter--;
- 3. Event = ReplyCounter = 0
  RLAMiss++; BORetry--;
  BOCounter=Ran(MIN+2^RLAMiss\*Win);
- 4. Event = BOCounter>0 BOCounter--;
- 5. Event = BOCounter=0 & BORetry>0 RLAMiss=0; SendRLA; Set ReplyCounter
- 6. Event = BOCounter=0 & BORetry>0 Issue access failure signal; Reset BORetry;
- 7. Event = FLIRcvd or FLARcvd Start PE to add partition; wait for partition open
- 8. Event = PE Success
- 9. Event = PE Fail Issue access failure signal (?)
- 10. Event = Delete last partition Start PE to delete partition;
- 11. Event = FLIRcvd or FLARcvd Start PE to add partition
- 12. Event = ActiveOffTimeout Reinitialize encryption/scrambling engines (call PE)
- 13.Event = MA\_UnitData.Request PE\_SendData
- 14. Event = FLBRcvd PE UnitData.Indication

FIG. 90

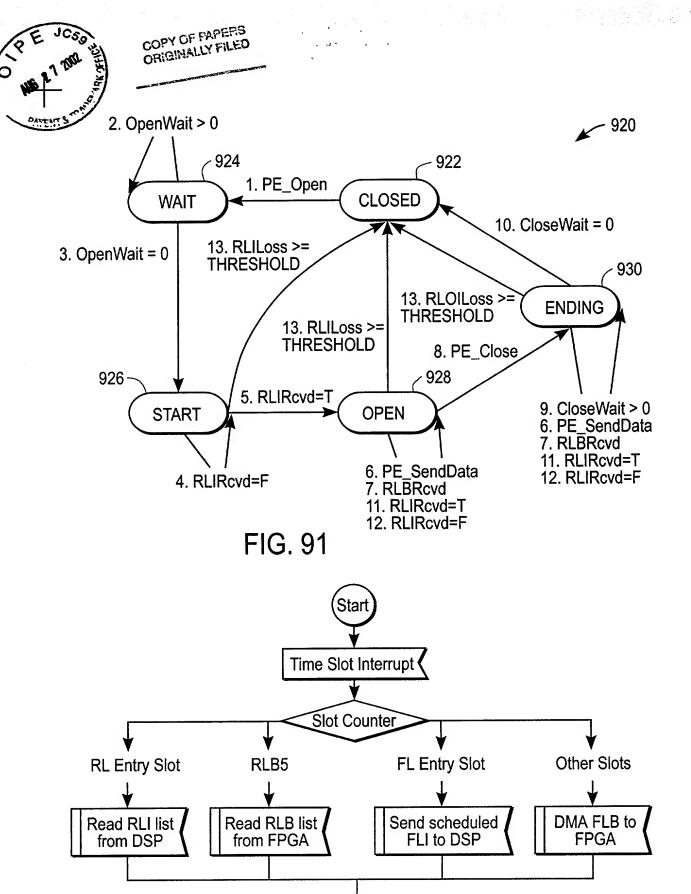
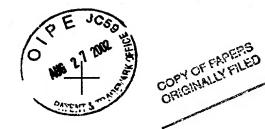


FIG. 92

End



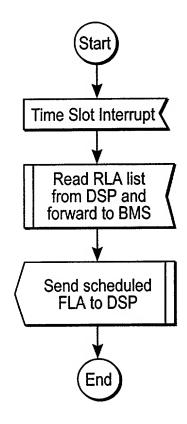


FIG. 93

RUID	RU1	RU5	•••	RU500
Backlog	1	12	•••	1
Partition 0	1	1		0
Partition 1	0	1		0
		***		•••
Partition 23	1	0		0
CHANGE	-2	0		+1

FIG. 94

-

S. C.	ORIGIN	Alle Tree	-
RU next	starting starting starting	starting	
Prob	1-Pm(FLI) 1-Pm(FLT)	send RLI detect FLT 1-Pm(FLT) = 2 or more 0.99458	
RU action	closed detect FLI 1-Pm(FLI) starting starting starting detect FLT 1-Pm(FLT) starting	gsend RLI g detect FLT 1-1 encr = 2 or more (	
RU start state	closed starting starting	starting starting enc	
channel	pass FLI pass RLI pass FLT	pass RLI pass FLT	
Base next state	starting starting starting	open	
Prob	starting 1-Pm(RLI) starting starting	1-Pm(RLI) 0.99997	
Base action	send FLI detect RLI send FLT	TT nore	201001111111111111111111111111111111111
Base starting state	closed starting starting	starting open e	
message	교교보	RLI FLT	
Condition	normal		

FIG. 95

RU next state	starting starting	starting starting	closed
Prob	Pf(FLI)	1-PI(FLI)	1-Pf(FLT) 9.98E-07
RU action	detect FLI send RLI	skips FLI send RLI	skips FLT encr = 2
RU start state	closed starting	starting starting	starting
channel	pass RLI	pass RLI	empty
Base next state	closed	closed	closed
Prob		1	1.00000
Base action	skip FLI miss RLI	skip r.L.i miss R.L.i	skip FLTencr = 0
Base starting state	closed	closed	obeu
message		골	FLT
Condition	RU false detects FLI	and misses both FLTs	

FIG. 96

										OWEN	O PL
Condition	message	Base starting state	Base action	Prob	Base next state	channel	RU start state	RU action	Prob	RU next	1050 TOTAL BELLEVILLE
RU misses both FLTs	드포드포드	closed starting starting starting open	send FLI detect RLI send FLT detect RLI send FLT encr = 2	1-Pm(RLI) (1-Pm(RLI)	starting starting open open	pass FLI pass RLI stop FLT pass RLI stop FLT	closed starting starting starting starting	detect FLI send RLI miss FLT send RLI miss FLT encr = 2	1-Pm(FLI) Pm(FLT) Pm(FLT) 4.0E-06	starting starting starting starting closed	COPY OF FAPER ORIGINALLY FILE
base misses both RLIs and RU false detects either FLT	드포두포두	closed starting starting starting open	send FLI miss RLI skip FLT miss RLI skip FLT encr = 2	Pm(RLI) Pm(RLI) 2.9E-05	starting starting closed closed	pass FLI stop RLI empty stop RLI empty	closed starting starting starting starting	detect FLI send RLI detect FLT send RLI detect FLT encr = 2	1-Pm(FLI) Pf(FLT) Pf(FLT) 1.6E-05	starting starting starting starting open	3
RU misses FLI base misses both RLIs	교교교	closed starting starting	send FLI _ miss RLI miss RLI encr = 2	1-Pf(RLI) 1-Pf(RLI) 3.0E-06	starting starting closed	stop FLI empty empty	closed closed closed	miss FLI skip RLI skip RLI encr = 0	Pm(FLI) 3.0E-06	closed pesolo	
RU misses FLI, and base false detects either RLI	프콜코	closed starting starting	send FLI detect RLI detect RLI encr = 2	Pf(RLI) Pf(RLI) 8.4E-09	starting starting open	stop FLI empty empty	closed closed closed	miss FLI skip RLI skip RLI encr = 0	Pm(FLI) 3.0E-06	pesolo pesolo	
RU false detects FLI and false detects either FLT	ER ER ER	closed closed closed closed closed	skip FLI miss RLI skip FLT miss RLI skip FLT encr = 0	1.00000	closed closed closed closed closed	empty pass RLI empty pass RLI empty	closed starting starting starting starting	detect FLI send RLI detect FLT send RLI detect FLT encr = 2	Pf(FLI) Pf(FLT) Pf(FLT) 9.0E-12	starting starting starting open	

FIG. 96 (Continued)